



CHR[®]

A Saint-Gobain Brand

Saint-Gobain

Performance Plastics

Pressure-Sensitive

Adhesive Tapes

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Pressure-Sensitive Adhesive Tapes

ADHESIVE SYSTEMS

Acrylic (A)

Acrylic adhesives perform in continuous operating temperatures from -40°F to +375°F (-40°C to +188°C). Benefits include exceptional solvent resistance, excellent adhesion to metal, superior weathering and aging characteristics. Acrylics have an excellent shelf life, and when exposed to elevated temperatures, their ability to wet-out improves thus increasing both adhesion and tack properties.

Natural Rubber (R)

Natural rubber adhesives impart high tack and shear characteristics. These adhesives perform in continuous operating temperatures from -20°F to +325°F (-29°C to +164°C). Natural rubber adhesives can be specially blended to manufacture a broad range of adhesion performance from a low adhesion of 3.0 oz./in. to high adhesion of 60 oz. in.

Silicone (S)

Perfect for extreme temperature applications, silicone adhesives perform in continuous operating temperatures from -100°F to 500°F (-73°C to 260°C). Silicone-based adhesive systems exhibit good chemical resistance, retain electrical properties, and remove cleanly with little or no residue.

Thermosetting Organic Rubber (TR)

Thermoset adhesives set up or harden on first exposure to heat, and remain set regardless of subsequent temperature cycles. A blend of organic rubbers compounded with fillers, tackifiers, or curing agents, these adhesives have three primary benefits:

- Increased adhesion strength
- Improved solvent resistance
- Improved thermal capability

Thermoset Cycle:

Rubber PSA/Acrylic

3 hours @ 248°F (120°C)

2 hours @ 275°F (135°C)

1 hour @ 302°F (150°C)

BACKING SUBSTRATES

Film-FEP

FEP film is used for applications requiring optical clarity, quick release, and abrasion resistance. FEP film applications include high temperature coil and capacitor wrapping, composite bonding, masking, and conveyor release linings.

Film-Polyester

Polyester films have excellent dimensional stability, high tensile, tear, and impact strengths, and ultimate elongation up to 120% of its original dimensions. These films exhibit low water absorption and good resistance to oils, greases, strong acids, and organic solvents. They also retain electrical properties, dielectric strength and dielectric constant in continuous operating temperatures from -100°F to 350°F (-73°C to 177°C). Applications include transformer and capacitor wrapping, printed circuit board fabrication, splicing tapes, composite bonding protection, and low-cost masking.

Film-Polyimide

Polyimide films are employed because of their extreme heat resistance. Service temperatures range from -100°F to +500°F (-73°C to +260°C). These flame retardant films exhibit high tensile strength and conformability, good solvent resistance, excellent dielectric strength and good abrasion resistance. Polyimide tape applications include electrical insulation, capacitor, transformer, and coil wrapping, electronic assembly, and wave solder protection.

Film-PTFE

PTFE films provide a conformable release surface and exhibit a remarkably low coefficient of friction and non-stick properties. PTFE films have high temperature resistance and are virtually unaffected by all chemicals. At elevated temperatures, PTFE film still retains excellent tensile strength. Service temperatures range from -100°F to +500°F (-73°F to +260°C).

Film applications include high temperature coil and capacitor wrapping, composite bonding, masking, and conveyor release linings.

Film-Rulon®

Rulon films offer superior abrasion resistance when compared to conventional PTFE films. Service temperatures range from -100°F to 500°F (-73°C to +260°C). In rotating bearing tests, it provided a 500-fold increase in wear resistance over standard PTFE. Applications include bearing liners, chute and guide rail coverings.

Film-UHMW

UHMW polyolefin film tape provides anti-sticking and abrasion resistance properties for application temperatures ranging from -100°F to 225°F (-73°C to +107°C). Applications include bearings, chute and guide rail coverings.

Glass-Cloth

Glass cloth offers excellent abrasion resistance and mechanical properties, as well as high tensile strength and extreme temperature resistance. Service temperatures range from -100°F to +500°F (-73°C to 260°C). Highly conformable and flexible, glass cloth has the unique ability to absorb insulating varnishes, which makes them an excellent choice in the electrical market. Applications include electrical insulation, coil and motor wrappings, and general industrial applications.

Glass-PTFE

PTFE glass provide dimensional stability, high tensile strength and edge tear, operates over a temperature range from -100°F to +500°F (-73°C to +260°C), and offers better abrasion resistance than uncoated glass cloth. The PTFE surface offers quick release and chemical resistance characteristics. Anti-static PTFE glass yields improved thermal conductivity and static dissipation. Available with silicone or acrylic adhesives, PTFE glass applications include heat sealing and low friction release surface liners for conveyors.

Glass-Silicone

Silicone glass provides temperature resistance from -85°F to +500°F (-62°C to +260°C) and exceptional tensile strength and abrasion resistance. Applications include thermal spray, grit blasting, electrical and thermal insulation gaskets, heat sealing, and diaphragms.

Glass-Foil

For applications requiring higher tear strengths, fiberglass laminated with aluminum is available. Service temperatures range from -100°F to 500°F (-73°C to +260°C).

Foils

Aluminum and copper foil tapes offer high conformability, conductivity, and reflectivity at elevated temperatures. Aluminum is available with a fiberglass laminate for applications requiring higher tear strengths. Service temperatures range from -100°F to +500°F (-73°C to +260°C). Applications include thermal spray, aircraft repainting, EMI/RFI shielding, and electroplating.

Paper

Paper tapes are designed to provide high temperature and excellent solvent resistance for wave soldering, printed circuit board masking, and hot air leveling applications. Service temperatures range from -100°F to 500°F (-73°C to +260°C).

Silicone Rubber (Strip-N-Stick®)

Strip-N-Stick tape provides all the benefits of silicone rubber in an easy-to-apply, pressure-sensitive adhesive tape. Available in closed-cell sponge, low-density foam, or solid silicone, these products offer superior service life, excellent conformability and flexibility, low-compression set, and high adhesion to a variety of materials. Service temperatures range from -100°F to +500°F (-73°C to +260°C). Available with silicone or acrylic adhesives, Strip N Stick tape is excellent for high and low temperature gasket applications cushioning, thermal insulation, electrical isolation, and vibration dampening.

RELEASE LINERS

Fluorosilicone

This release liner incorporates advanced release technology for use with silicone adhesives. As a die-cuttable liner, it has exceptional release properties, making it an ideal choice when die-cutting small or complex parts.

Polyethylene

These very thin release liners not only conform well to tape, but slit and release easily, making them a sensible choice for die-cutting. Available with acrylic or rubber adhesive systems, a smooth blue release liner is standard on most acrylic-adhesive pressure sensitive products.

PVC

The most general purpose release liner, PVC conforms well to tape and protects the adhesive coating during handling. Although these liners have good release properties and slit well, they are generally not used for die-cutting. Only available with silicone adhesive tapes, a yellow-dimpled liner is standard.

Paper

The ideal choice to die- and kiss-cutting, paper liners have the advantage of low cost and excellent release characteristics. Available with silicone, rubber and acrylic adhesive systems, these beige release liners are specially treated to ensure excellent release properties.

CUSTOM TAPES

As a materials innovator, Saint-Gobain specializes in manufacturing unique products to satisfy customer needs. While this catalog details many of our standard pressure sensitive adhesive tapes, Saint-Gobain also offers custom tapes to meet application or customer specific requirements.

SPECIFICATIONS

Materials ordered to specifications must clearly state specification requirements on the purchase order, including any references to military, federal, ASTM or other third-party specifications.

- A product number does not indicate that every lot number or shipment has been tested to conform with specification requirements
- Allow additional delivery time for specification certification.

Part Number	Color	Adhesive System	Backing Thickness		Adhesive Thickness		Total Thickness		Adhesion Strength		Tensile Strength		Elongation %	Dielectric kV	°C	Insulation Class				Temperature Range	Comments
			mil / mm	mil / mm	mil / mm	oz/in	g/cm	lbs/in	kg/cm	Min °F	Max °F	Min °C				Max °C					

FILM-FEP

C	Clear	S	2.0	0.051	1.5	0.038	3.5	0.089	20	220	8	1.4	275	9.0	155	-100	400	-73	204	FOOD/MEDICAL GRADE
2355-2	Clear	S	2.0	0.051	1.5	0.038	3.5	0.089	20	220	8	1.4	275	9.0	155	-100	400	-73	204	

FILM-POLYESTER

M50	White	S	1.0	0.025	1.5	0.038	2.5	0.064	25	276	25	4.5	100	5.0	130	-100	350	-73	177	UL Guide OANZ2, File E51201, UL510
M52	Clear	S	1.0	0.025	1.5	0.038	2.5	0.064	30	331	25	4.5	100	5.0	130	-100	350	-73	177	UL Guide OANZ2, File E51201, UL510
M717	Red	S	1.0	0.025	2.8	0.071	3.8	0.097	30	331	25	4.5	100	5.0	130	-100	350	-73	177	
M741	Blue	S	1.0	0.025	2.0	0.051	3.0	0.076	25	276	25	4.5	100	5.0	130	-100	350	-73	177	High Tack Silicone Adhesive
M746	Red/ Bl	S	1.0	0.025	0.8	0.020	1.8	0.046	13	143	25	4.5	100	—	130	-100	350	-73	177	
M751	Yellow	S	1.0	0.025	2.0	0.051	3.0	0.076	25	276	25	4.5	100	5.0	130	-100	350	-73	177	
M758	Black	S	1.0	0.025	1.5	0.038	2.5	0.064	25	276	25	4.5	100	5.0	130	-100	350	-73	177	UL Guide OANZ2, File E51201, UL510
M803	Blue	S	1.0	0.025	2.0	0.051	3.0	0.076	25	276	25	4.5	100	5.0	130	-100	350	-73	177	Clean Release Silicone Adhesive
M815	Clear	S	1.0	0.025	2.0	0.051	3.0	0.076	30	331	25	4.5	100	5.0	130	-100	350	-73	177	
M823	Blue	S	1.0	0.025	1.8	0.046	2.8	0.071	30	331	25	4.5	100	5.0	130	-100	350	-73	177	Available only with liner
M824	Blue	S	1.0	0.025	1.5	0.038	2.5	0.064	30	331	25	4.5	100	5.0	130	-100	350	-73	177	
M730	Green	S	1.5	0.038	1.0	0.025	2.5	0.064	25	276	35	6.3	100	6.0	130	-100	350	-73	177	
M887	Emerald	S	2.0	0.051	1.5	0.038	3.5	0.089	40	441	50	8.9	120	7.0	130	-60	350	-51	177	
M56	Clear	R	1.0	0.025	1.5	0.038	2.5	0.064	45	496	25	4.5	100	5.0	130	0	325	-18	163	
M64	Yellow	R	1.0	0.025	1.5	0.038	2.5	0.064	50	551	25	4.5	100	5.0	130	0	325	-18	163	UL Guide OANZ2, File E51201
M734	Orange	R	1.0	0.025	0.6	0.015	1.6	0.041	6	66	25	4.5	100	5.0	100	0	325	-18	163	
M788	Aqua	R	1.0	0.025	0.5	0.013	1.5	0.038	5	55	25	4.5	100	5.0	130	0	325	-18	163	
M797	Mustard	R	1.0	0.025	2.0	0.051	3.0	0.076	30	331	25	4.5	100	5.0	130	0	325	-18	163	
M851	Green	R	1.0	0.025	2.0	0.051	3.0	0.076	15	165	25	4.5	100	6.0	130	0	350	-18	177	
M783	Pink	R	2.0	0.051	1.7	0.043	3.7	0.094	35	386	50	8.9	120	7.0	130	0	325	-18	163	
M852	Green	R	2.0	0.051	2.0	0.051	4.0	0.102	15	165	50	8.9	120	7.0	130	0	350	-18	177	
M855	Green	R	5.0	0.127	2.0	0.051	7.0	0.178	6	66	100	17.9	100	10.0	130	0	350	-18	177	
M69	Clear	A/A	1.0	0.025	3.0	0.076	4.0	0.102	30	331	25	4.5	100	5.0	130	-20	325	-29	163	Available only with liner
M371H YL	Yellow	A	1.0	0.025	1.5	0.038	2.5	0.064	30	331	25	4.5	100	5.0	130	-20	325	-29	163	UL Flame Retardant, Printable
M60	Clear	A	1.0	0.025	1.5	0.038	2.5	0.064	30	331	25	4.5	100	5.0	130	-20	325	-29	163	UL Guide OANZ2, File E51201
M705	Black	A	1.0	0.025	1.5	0.038	2.5	0.064	30	331	25	4.5	100	5.0	130	-20	325	-29	163	UL Guide OANZ2, File E51201
M765	White	A	1.0	0.025	1.5	0.038	2.5	0.064	25	276	25	4.5	100	5.0	130	-20	325	-29	163	UL Guide OANZ2, File E51201, UL510

FILM-POLYIMIDE

2345-1	Amber	S	1.0	0.025	1.5	0.038	2.5	0.064	25	276	30	5.4	50	6.5	180	-100	500	-73	260	UL Guide OANZ2, File E66639, UL510
2345-2	Amber	S	2.0	0.051	1.5	0.038	3.5	0.089	25	276	50	8.9	75	10.0	180	-100	500	-73	260	UL Guide OANZ2, File E66639, UL510
2345-5	Amber	S	5.0	0.127	1.5	0.038	6.5	0.165	20	221	150	26.8	75	17.0	180	-100	500	-73	260	
K104	Amber	S	0.5	0.013	1.0	0.025	1.5	0.038	15	165	10	1.8	25	4.0	180	-100	500	-73	260	
K201	Amber	S	1.0	0.025	1.5	0.038	2.5	0.064	25	276	30	5.4	50	N/A	180	-100	500	-73	260	Masking grade
K202	Amber	S	2.0	0.051	1.5	0.038	3.5	0.089	25	276	50	8.9	75	N/A	180	-100	500	-73	260	Masking grade
K250	Amber	S	1.0	0.025	1.5	0.038	2.5	0.064	30	220	30	5.4	50	7.0	180	-100	500	-73	260	UL Guide OANZ2, File E51201, UL510
K350	Amber	S	2.0	0.051	1.5	0.038	3.5	0.089	20	220	50	8.9	75	10.0	180	-100	500	-73	260	UL Guide OANZ2, File E51201, UL510
K102	Amber	A	1.0	0.025	1.5	0.038	2.5	0.064	30	331	30	5.4	50	7.0	155	-20	350	-29	177	Clean Release ACRYLIC Adhesive
K109	Amber	A	2.0	0.051	1.5	0.038	3.5	0.089	30	331	50	8.9	75	10.0	155	-20	350	-29	177	
K290ESD	Amber	S	1.0	0.025	1.5	0.038	2.5	0.064	20	220	30	5.4	50	7.0	180	-100	500	-73	260	
K100	Amber	S/S	1.0	0.025	3.5	0.089	4.5	0.114	20	220	30	5.4	50	7.5	180	-100	500	-73	260	Available only with liner

FILM-PTFE

Skived

2045-2	Gray	S	2.0	0.051	1.5	0.038	3.5	0.089	30	331	15	2.7	325	7.5	180	-100	500	-73	260	UL Guide OANZ2, File E66639, UL510
2045-3	Gray	S	3.0	0.076	1.5	0.038	4.5	0.114	35	386	20	3.6	350	9.5	180	-100	500	-73	260	UL Guide OANZ2, File E66639, UL510
2045-5	Gray	S	5.0	0.127	1.5	0.038	6.5	0.165	40	441	30	5.4	400	13.0	180	-100	500	-73	260	UL Guide OANZ2, File E66639, UL510
2045-10	Gray	S	10.0	0.250	1.5	0.038	11.5	0.292	50	551	55	10.7	450	19.5	180	-100	500	-73	260	
2042-2	Gray	A	2.0	0.051	1.5	0.038	3.5	0.089	25	276	15	2.7	300	7.5	130	-100	350	-73	177	
2042-3	Gray	A	3.0	0.076	1.5	0.038	4.5	0.114	30	331	20	3.6	375	9.5	130	-100	350	-73	177	
2042-5	Gray	A	5.0	0.127	1.5	0.038	6.5	0.165	35	386	30	5.4	400	13.0	130	-100	350	-73	177	
2042-10	Gray	A	10.0	0.250	1.5	0.038	11.5	0.292	55	606	55	9.9	450	19.5	130	-100	350	-73	177	
TV350	White	S	2.0	0.051	1.5	0.038	3.5	0.089	25	276	15	2.7	250	7.8	180	-100	500	-73	260	FOOD/MEDICAL GRADE
T	White	S	3.0	0.076	3.0	0.076	6.0	0.152	30	331	20	3.6	275	10.0	180	-100	500	-73	260	FOOD/MEDICAL GRADE
TV	White	S	5.0	0.127	1.5	0.038	6.5	0.165	35	386	30	5.4	275	13.0	180	-100	500	-73	260	FOOD/MEDICAL GRADE
TH	White	S	10.0	0.250	2.5	0.063	12.5	0.318	55	606	60	10.8	300	18.0	180	-100	500	-73	260	FOOD/MEDICAL GRADE

Part Number	Color	Adhesive System	Backing Thickness		Adhesive Thickness		Total Thickness		Adhesion Strength		Tensile Strength		Elongation	Dielectric	Insulation Class		Temperature Range		Comments
			mil / mm	mil / mm	mil / mm	mil / mm	oz/in	g/cm	lbs/in	kg/cm	%	kV			°C	Min °F	Max °F	Min °C	

FILM-PTFE

High-Modulus

2250-2	Gray	R	2.0	0.051	1.5	0.038	3.5	0.089	25	276	30	5.4	150	8.0	130	-80	325	-40	163	
2253-2	Gray	A	2.0	0.051	1.5	0.038	3.5	0.089	30	331	30	5.4	150	9.5	130	-40	350	-40	177	
2254-2	Gray	S	2.0	0.051	1.5	0.038	3.5	0.089	35	386	30	5.4	150	9.0	150	-40	500	-40	260	
2255-2	Gray	S	2.0	0.051	1.5	0.038	3.5	0.089	30	331	30	5.4	150	9.0	180	-100	500	-73	260	
2255-3	Gray	S	3.0	0.076	1.5	0.038	4.5	0.114	35	386	45	8.0	175	11.0	180	-100	500	-73	260	
2255-5	Gray	S	5.0	0.125	1.5	0.038	6.5	0.165	40	441	60	10.7	175	15.0	180	-100	500	-73	260	
2255-6	Gray	S	6.0	0.152	1.5	0.038	7.5	0.191	45	496	65	11.7	200	18.0	180	-100	500	-73	260	

2255 product series also available with silicone adhesive in 4, 6, 7 and 10 mil. backing thickness, please consult factory.

HM350	White	S	2.0	0.051	1.5	0.038	3.5	0.089	25	276	25	4.5	150	8.0	180	-100	500	-73	260	FOOD/MEDICAL GRADE
HM426	Gray	S	2.0	0.064	1.5	0.038	3.5	0.089	25	276	25	4.5	150	8.0	180	-100	500	-73	260	
HM430	White	A	2.0	0.064	1.5	0.038	3.5	0.089	25	276	25	4.5	150	8.0	155	-20	350	-29	177	FOOD/MEDICAL GRADE
HM650	White	S	5.0	0.127	1.5	0.038	6.5	0.165	30	331	45	8.0	200	13.5	180	-100	500	-73	260	FOOD/MEDICAL GRADE

Enhanced High Modulus

R233	Gray	A	5.0	0.125	1.5	0.038	6.5	0.165	30	331	75	13.0	150	9.5	130	-40	350	-40	177	
R253	Gray	S	5.0	0.125	1.5	0.038	6.5	0.165	40	441	75	13.0	110	11.0	—	-100	500	-73	260	

Extruded

2265-2	Clear	S	2.0	0.051	1.5	0.038	3.5	0.089	35	386	25	4.5	200	8.0	—	-100	500	-73	260	
2265-5	Clear	S	5.0	0.127	2.0	0.051	7.0	0.178	45	496	65	11.8	250	15.0	—	-100	500	-73	260	
2275-2	Rust	S	2.3	0.058	1.9	0.048	4.2	0.107	40	441	45	8.0	110	11.0	—	-100	500	-73	260	
2283-2	Rust	A	2.0	0.051	2.0	0.051	4.0	0.102	30	331	30	5.0	150	10.0	—	-40	350	-40	177	
2285-2	Rust	S	2.0	0.051	1.5	0.038	3.5	0.089	30	331	30	5.0	175	9.0	—	-100	500	-73	260	
2285-5	Rust	S	5.0	0.127	1.5	0.038	6.5	0.165	40	441	75	13.0	200	16.0	—	-100	500	-73	260	

FILM-RULON

RU	Rose	S	8.0	0.203	2.0	0.051	10.0	0.254	25	276	20	3.6	225	—	155	-100	500	-73	260	
RU101	Rose	A	8.0	0.203	2.3	0.058	10.3	0.262	20	220	20	3.6	225	—	155	-20	350	-29	177	

FILM-UHMW

2300-5R	Natural	R	5.0	0.127	2.0	0.051	7.0	0.178	55	606	40	7.0	350	—	—	0	225	-18	107	
2300-10R	Natural	R	10.0	0.250	2.0	0.051	12.0	0.305	55	606	80	14.5	400	—	—	0	225	-18	107	
2302-3R	Natural	A	3.0	0.076	1.5	0.038	4.5	0.114	35	386	20	3.6	300	—	—	-40	225	-40	107	
2302-5R	Natural	A	5.0	0.127	1.5	0.038	6.5	0.165	45	496	40	7.0	350	—	—	-40	225	-40	107	
2302-10R	Natural	A	10.0	0.250	1.5	0.038	11.5	0.292	50	551	80	14.5	425	—	—	-40	225	-40	107	
2302-20R	Natural	A	20.0	0.500	1.5	0.038	21.5	0.546	50	551	145	26.3	500	—	—	-40	225	-40	107	

For 23XX product series, a blue PE liner is standard.

GLASS-CLOTH

2905-7R	White	S/S	4.5	0.114	2.5	0.064	7.0	0.178	40	441	175	31.3	<10	—	180	-100	500	-73	260	Available only with liner UL Guide OANZ2, File E66639, UL 510
2905-10R	White	S/S	6.5	0.165	4.0	0.102	10.5	0.267	25	276	225	40.2	<10	8.0	180	-100	500	-73	260	Available only with liner
2915-7	White	S	4.5	0.114	2.5	0.064	7.0	0.178	40	441	160	28.6	—	4.5	180	-100	500	-73	260	UL Guide OANZ2, File E66639, UL 510
2915-7Q	White	S	4.5	0.114	2.5	0.064	7.0	0.178	40	441	160	28.6	—	4.5	180	-100	590	-73	260	Thermoset Silicone
2915-10	White	S	5.5	0.140	4.5	0.114	10.0	0.254	40	441	175	31.3	—	5.0	180	-100	500	-73	260	Thermoset Silicone
2916-7	White	S	4.5	0.114	2.5	0.064	7.0	0.178	45	496	165	29.0	—	4.3	—	-100	500	-73	260	
G551	White	R	4.5	0.114	2.5	0.064	7.0	0.178	50	551	150	26.8	<5	3.5	130	0	350	-18	177	UL Guide OANZ2, File E51201
G561	White	S	4.5	0.114	2.5	0.064	7.0	0.178	40	441	160	28.6	—	4.5	180	-100	590	-73	260	Thermoset Silicone
G565	White	S	4.5	0.114	2.5	0.064	7.0	0.178	40	441	160	28.6	—	4.5	180	-100	500	-73	260	UL Guide OANZ2, File E51201, UL 510
G569	White	A	4.5	0.114	2.5	0.064	7.0	0.178	30	331	150	26.8	<5	3.0	155	-20	350	-29	177	UL Guide OANZ2, File E51201

GLASS-FOIL

06004	Alum.	S	2.5	0.064	3.5	0.089	8.0	0.203	60	661	155	28.1	—	—	—	-100	500	-73	260	
06005	Alum.	S	2.5	0.064	3.5	0.089	8.0	0.203	70	772	150	27.0	7	—	—	-100	500	-73	260	
2925-7	Alum.	S	2.5	0.064	4.5	0.114	7.0	0.178	60	661	130	23.6	7	—	—	-100	500	-73	260	
2925-11	Alum.	S	7.5	0.191	3.5	0.089	11.0	0.279	75	827	200	35.7	7	—	—	-100	500	-73	260	
2995-11R	Alum.	S	7.0	0.178	5.0	0.076	12.0	0.305	45	496	150	27.0	5	—	—	-100	500	-73	260	

Part Number	Color	Adhesive System	Backing Thickness		Adhesive Thickness		Total Thickness		Adhesion Strength		Tensile Strength		Elongation %	Dielectric kV	Dielectric °C	Insulation Class				Temperature Range	Comments
			mil / mm	mil / mm	mil / mm	oz/in	g/cm	lbs/in	kg/cm	Min °F	Max °F	Min °C				Max °C					

GLASS-SILICONE

23816	White	S	8.0	0.203	4.0	0.102	12.0	0.305	50	551	100	18.0	—	7	—	-100	500	-73	260	
2965-8R	Blue	S	7.0	0.178	3.5	0.089	10.5	0.267	45	496	100	18.0	15	4	—	-100	500	-73	260	
2975-8R	White	S	7.0	0.178	3.5	0.089	10.5	0.267	50	551	150	27.0	5	7	—	-100	500	-73	260	
H7575	White	S	17.5	0.440	3.5	0.089	21.0	0.553	50	551	180	32.7	—	—	—	-100	500	-73	260	
H7525	White	S	15.0	0.380	2.5	0.064	17.5	0.445	50	551	125	22.0	—	—	—	-100	500	-73	260	

For 23816, 2965-8R, 2975 and H7575, a yellow-dimpled PVC liner is standard. For H7525, a Kraft paper liner is standard.

PARA-ARAMID CLOTH-PTFE

Anti-Static, Super Abrasion Resistant

SGK5-05	Black	S	5.0	0.127	2.0	0.051	7.0	0.178	25	276	200	35.7	3	—	—	-100	500	-73	260	Cut-Resistant
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GLASS-PTFE

Anti-Static

SG56-03(R)	Black	S	3.0	0.076	2.0	0.051	5.0	0.127	45	497	80	14.3	<5	—	—	-100	500	-73	260	
SG56-05(R)	Black	S	5.0	0.127	2.0	0.051	7.0	0.178	50	552	150	26.8	<5	—	—	-100	500	-73	260	
SG56-06(R)	Black	S	6.0	0.152	2.0	0.051	8.0	0.203	65	718	175	31.2	<5	—	—	-100	500	-73	260	

For SG5X product series, a yellow-dimpled PVC liner is standard.

CHEMLAM GX5

SGG5-06	Brown	S	5.9	0.149	2.0	0.051	7.9	0.201	55	607	125	22.3	<5	—	—	-100	500	-73	260	
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CHEMLAM Brown

SGB6-04(R)	Brown	S	4.2	0.107	2.0	0.051	6.2	0.157	45	497	100	17.9	<5	—	—	-100	500	-73	260	
SGB6-06(R)	Brown	S	5.9	0.149	2.0	0.051	7.9	0.201	50	552	125	22.3	<5	—	—	-100	500	-73	260	
SGB6-10(R)	Brown	S	9.5	0.241	2.0	0.051	10.5	0.267	55	607	250	44.6	<5	—	—	-100	500	-73	260	

CHEMLAM Copper

SGC6-04(R)	Copper	S	4.2	0.107	2.0	0.051	6.2	0.157	45	497	100	17.9	<5	—	—	-100	500	-73	260	
SGC6-06(R)	Copper	S	5.9	0.149	2.0	0.051	7.9	0.201	50	552	125	22.3	<5	—	—	-100	500	-73	260	
SGC6-10(R)	Copper	S	9.5	0.241	2.0	0.051	11.5	0.292	55	607	250	44.6	<5	—	—	-100	500	-73	260	

For Silicone Adhesives, a yellow-dimpled PVC liner is standard

Roll Covering

280-6(R)	Tan	S	6.0	0.152	2.0	0.051	8.0	0.203	55	606	175	31.0	<5	—	—	-100	500	-73	260	
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High Performance

SG13-03(R)	Natural	A	3.0	0.076	2.0	0.051	5.0	0.127	60	662	90	16.1	<5	—	—	-40	350	-73	260	
SG13-05(R)	Natural	A	5.0	0.127	2.0	0.051	7.0	0.178	70	773	150	26.8	<5	—	—	-40	350	-73	260	
SG13-06(R)	Natural	A	6.0	0.152	2.0	0.051	8.0	0.203	75	828	150	26.8	<5	—	—	-40	350	-73	260	
SG13-10(R)	Natural	A	10.0	0.250	2.3	0.058	12.3	0.312	70	773	325	58.0	<5	—	—	-40	350	-73	260	
SG13-14(R)	Natural	A	14.0	0.350	2.3	0.058	16.3	0.414	70	773	400	71.4	<5	—	—	-40	350	-73	260	
SG15-03(R)	Natural	S	3.0	0.076	2.3	0.058	5.3	0.134	50	552	90	16.1	<5	—	—	-100	500	-73	260	
SG15-05(R)	Natural	S	5.0	0.127	2.3	0.058	7.3	0.185	60	662	150	26.8	<5	—	—	-100	500	-73	260	
SG15-06(R)	Natural	S	6.0	0.152	2.3	0.053	8.3	0.205	65	718	150	26.8	<5	—	—	-100	500	-73	260	
SG15-10(R)	Natural	S	10.0	0.250	2.5	0.064	12.5	0.318	80	883	325	58.0	<5	—	—	-100	500	-73	260	
SG15-14(R)	Natural	S	14.0	0.350	2.5	0.064	16.5	0.420	80	883	400	71.4	<5	—	—	-100	500	-73	260	
SG16-03(R)	Natural	S	3.0	0.076	2.3	0.058	5.3	0.134	50	552	90	16.1	<5	—	—	-100	500	-73	260	
SG16-05(R)	Natural	S	5.0	0.127	2.3	0.058	7.3	0.185	60	662	150	26.8	<5	—	—	-100	500	-73	260	
SG16-06(R)	Natural	S	6.0	0.152	2.3	0.058	8.3	0.205	65	718	150	26.8	<5	—	—	-100	500	-73	260	
SG16-10(R)	Natural	S	10.0	0.250	2.5	0.064	12.5	0.318	80	883	325	58.0	<5	—	—	-100	500	-73	260	
SG16-14(R)	Natural	S	14.0	0.350	2.5	0.064	16.5	0.420	80	883	400	71.4	<5	—	—	-100	500	-73	260	

For Silicone Adhesives, a yellow-dimpled PVC liner is standard; For Acrylic Adhesives, a blue PE liner is standard.

Premium FOOD/MEDICAL GRADE

SG03-03(R)	Brown	A	3.0	0.076	1.7	0.043	4.7	0.118	40	442	90	16.1	<5	4	180	-100	500	-73	260	
SG03-05(R)	Brown	A	5.0	0.127	1.7	0.043	6.7	0.170	55	607	175	31.2	<5	5	180	-100	500	-73	260	
SG03-06(R)	Brown	A	6.0	0.152	1.7	0.043	7.7	0.194	55	607	175	31.2	<5	6.5	180	-100	500	-73	260	
SG03-10(R)	Brown	A	10.0	0.250	1.7	0.043	11.7	0.297	70	773	250	44.6	<5	8.5	180	-100	500	-73	260	
SG03-14(R)	Brown	A	14.0	0.350	1.7	0.043	15.7	0.399	70	773	400	71.4	<5	7	180	-100	500	-73	260	
SG05-03(R)	Brown	S	3.0	0.076	1.7	0.043	4.7	0.118	45	497	90	16.1	<5	4	180	-100	500	-73	260	21CFR175.105 and 21CFR177.1550
SG05-05(R)	Brown	S	5.0	0.127	1.7	0.043	6.7	0.170	55	607	175	31.2	<5	5	180	-100	500	-73	260	21CFR175.105 and 21CFR177.1550
SG05-06(R)	Brown	S	6.0	0.152	1.7	0.043	7.7	0.194	55	607	175	31.2	<5	6.5	180	-100	500	-73	260	21CFR175.105 and 21CFR177.1550
SG05-10(R)	Brown	S	10.0	0.250	1.7	0.043	11.7	0.297	60	662	250	44.6	<5	8.5	180	-100	500	-73	260	21CFR175.105 and 21CFR177.1550
SG05-14(R)	Brown	S	14.0	0.350	1.7	0.043	15.7	0.399	65	718	400	71.4	<5	7	180	-100	500	-73	260	21CFR175.105 and 21CFR177.1550

For Silicone Adhesives, a yellow-dimpled PVC liner is standard; For Acrylic Adhesives, a blue PE liner is standard.

Part Number	Color	Adhesive System	Backing Thickness		Adhesive Thickness		Total Thickness		Adhesion Strength		Tensile Strength		Elongation	Dielectric	Insulation Class				Temperature Range	Comments
			mil / mm	mil / mm	mil / mm	mil / mm	oz/in	g/cm	lbs/in	kg/cm	%	kV			°C	Min °F	Max °F	Min °C		

GLASS-PTFE

Primary

SG23-03(R)	Natural	A	3.0	0.076	2.0	0.051	5.0	0.127	60	662	90	16.1	<5	—	—	-40	350	-40	177	
SG23-05(R)	Natural	A	5.0	0.127	2.0	0.051	7.0	0.178	70	773	150	26.8	<5	—	—	-40	350	-40	177	
SG23-06(R)	Natural	A	6.0	0.152	2.0	0.051	8.0	0.188	75	828	150	26.8	<5	—	—	-40	350	-40	177	
SG23-10(R)	Natural	A	9.0	0.250	2.3	0.058	11.3	0.287	70	773	250	44.6	<5	—	—	-40	350	-40	177	
SG25-03(R)	Natural	S	3.0	0.076	2.3	0.058	5.3	0.134	50	552	90	16.1	<5	—	—	-100	500	-73	260	
SG25-05(R)	Natural	S	5.0	0.127	2.3	0.058	7.3	0.185	60	662	150	26.8	<5	—	—	-100	500	-73	260	
SG25-06(R)	Natural	S	6.0	0.152	2.3	0.058	8.3	0.205	65	718	150	26.8	<5	—	—	-100	500	-73	260	
SG25-10(R)	Natural	S	9.0	0.229	2.5	0.064	11.5	0.293	80	883	250	44.6	<5	—	—	-100	500	-73	260	
SG26-03(R)	Natural	S	3.0	0.076	2.0	0.051	5.0	0.127	45	497	90	16.1	<5	—	—	-100	500	-73	260	
SG26-05(R)	Natural	S	5.0	0.127	2.0	0.051	7.0	0.178	50	552	150	26.8	<5	—	—	-100	500	-73	260	
SG26-06(R)	Natural	S	6.0	0.152	2.0	0.051	8.0	0.188	55	607	150	26.8	<5	—	—	-100	500	-73	260	
SG26-10(R)	Natural	S	9.0	0.229	2.0	0.051	11.0	0.280	70	773	250	44.6	<5	—	—	-100	500	-73	260	

For Silicone Adhesives, a yellow-dimpled PVC liner is standard; For Acrylic Adhesives, a blue PE liner is standard.

Industrial

SG33-03(R)	Natural	A	3.0	0.076	2.0	0.051	5.0	0.127	60	662	75	13.4	<5	—	—	-40	350	-73	260	
SG33-05(R)	Natural	A	5.0	0.127	2.0	0.051	7.0	0.178	70	773	160	28.6	<5	—	—	-40	350	-73	260	
SG33-06(R)	Natural	A	6.0	0.152	2.0	0.051	8.0	0.188	75	828	275	49.1	<5	—	—	-40	350	-73	260	
SG33-10(R)	Natural	A	8.0	0.203	2.3	0.058	10.3	0.261	70	773	250	44.6	<5	—	—	-40	350	-73	260	
SG35-03(R)	Natural	S	3.0	0.076	2.3	0.058	5.3	0.134	50	552	75	13.4	<5	—	—	-100	500	-73	260	
SG35-05(R)	Natural	S	5.0	0.127	2.3	0.058	7.3	0.185	60	662	160	28.6	<5	—	—	-100	500	-73	260	
SG35-06(R)	Natural	S	6.0	0.152	2.3	0.058	8.3	0.205	65	718	275	49.1	<5	—	—	-100	500	-73	260	
SG35-10(R)	Natural	S	8.0	0.203	2.5	0.064	10.5	0.267	80	883	275	49.1	<5	—	—	-100	500	-73	260	

For Silicone Adhesives, a yellow-dimpled PVC liner is standard; For Acrylic Adhesives, a blue PE liner is standard.

A-2005	Natural	S	3.0	0.076	2.5	0.064	5.5	0.140	50	551	90	16.1	<5	—	—	-100	500	-73	260	
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FOIL-ALUMINUM

A602	Alum.	S	2.0	0.052	2.0	0.051	4.0	0.102	60	661	20	3.6	8	—	—	-100	500	-73	260	
A603	Alum.	A	2.0	0.052	2.0	0.051	4.0	0.102	55	606	20	3.6	8	—	—	-40	250	-40	121	
A662	Alum.	A	3.0	0.076	2.0	0.051	5.0	0.127	65	717	45	8.0	18	—	—	-40	250	-40	121	UL Guide OAN22, File E51201, UL510
26020	Alum.	S	5.0	0.127	3.0	0.076	8.0	0.203	95	991	80	14.5	10	—	—	-100	500	-73	260	

FOIL-COPPER

C661	Copper	A	1.5	0.038	2.0	0.051	3.5	0.089	80	882	70	12.7	<16	—	—	-40	250	-40	121	UL Guide OAN22, File E51201, UL510
C665	Copper	A	1.5	0.038	2.0	0.051	3.5	0.089	35	386	90	16.0	—	—	—	-40	250	-40	121	UL Guide OAN22, File E51201, UL510

FOIL-PTFE/ALUMINUM (TRIFOIL™)

T303	Green	—	3.5	0.089	—	—	3.5	0.089	—	—	50	8.9	15	—	—	-100	500	-73	260	
T603	Green	A	3.5	0.089	1.5	0.038	5.0	0.127	70	772	50	8.9	15	—	—	-40	250	-40	121	
T903	Green	S	3.5	0.089	1.5	0.038	5.0	0.127	70	772	50	8.9	15	—	—	-100	500	-73	260	

PAPER

C680	Natural	S	4.0	0.102	2.0	0.051	6.0	0.152	30	331	25	4.5	5	—	155	-20	310	-29	154	Static Dissipative (ESD)
C663	Red	S	6.5	0.165	3.0	0.076	9.5	0.241	60	661	—	—	—	—	—	-100	500	-73	260	

SILICONE RUBBER (STRIP-N-STICK)

100S	Or./Tan	S	SEE "CHART 1 THICKNESS" BELOW						15	165	—	—	—	—	180	-100	500	-73	260	UL File MH12835
200A	Or./Tan	A	SEE "CHART 1 THICKNESS" BELOW						30	331	—	—	—	—	155	-20	325	-29	163	UL File MH12835
300AR	Blue	A	SEE "CHART 1 THICKNESS" BELOW						30	331	—	—	—	—	155	-20	325	-29	163	Fiberglass Reinforced
440S	Gray	S	SEE "CHART 1 THICKNESS" BELOW						15	165	—	—	—	—	180	-100	500	-73	260	
440A	Gray	A	SEE "CHART 1 THICKNESS" BELOW						30	331	—	—	—	—	155	-20	325	-29	163	
512AF	Gray	A	SEE "CHART 1 THICKNESS" BELOW						30	331	—	—	—	—	155	-20	325	-29	163	Backing conforms to UL 94 VO UL File MH12835

CHART 1 THICKNESS (SILICONE RUBBER, STRIP-N-STICK)

	440A 440S	100S 200A 300AR	512AF	Roll Length
1/32" (0.79mm)	X			20
1/16" (1.59mm)		X	X	10
3/32" (2.38mm)		X	X	10
1/8" (3.18mm)		X	X	10
3/16" (4.76mm)		X	X	5
1/4" (6.35mm)			X	5

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PERFORMANCE PLASTICS

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